

CLAIMS

What is claimed as being new and desired to be protected by Letters Patent of the United States is as follows:

1. A recycling device comprising:

5 a unit housing having an interior chamber, a first collar defining a top orifice in said housing unit and a second collar defining a side orifice in said housing unit, wherein said top and side orifices are capable of allowing access into the interior chamber of said housing unit;

a first door pivotally attached to said housing unit, said first door capable of covering a portion of the top orifice of said housing unit;

10 a second door pivotally attached to said housing unit, said second door capable of covering a portion of the side orifice of said housing unit;

an elongated barrel having a central axis, said barrel rotatably attached to said housing unit, said barrel disposed within the interior chamber of said housing unit, said barrel comprising:

an exterior casing;

15 a distal wall attached to said exterior casing;

a proximate wall attached to said exterior casing;

a center shaft attached to said distal wall and attached to said proximate wall, said center shaft disposed substantially along the central axis of said barrel, wherein said center shaft pivotally attached to said housing unit;

20 a first partition wall attached to said exterior casing of said barrel, wherein said barrel having a first receiving bin defined by said distal wall, said first partition wall, and said exterior casing; and

a second partition wall attached to said exterior casing of said barrel, wherein said barrel having a second receiving bin defined by said first partition wall, said second partition wall and said exterior casing, wherein said barrel having a third receiving bin defined by said second partition wall, said proximate wall, and said exterior casing;

25 an electrical plug attached to said housing unit;

a utility motor attached to said housing unit, said utility motor operatively attached to said electrical plug;

30 a utility belt drive operatively attached to said utility motor;

a rolling pin pivotally attached to said housing unit, said rolling pin operatively attached to said utility belt drive;

a conveyor belt operatively attached to said rolling pin;

a plurality of intake rollers pivotally attached to said housing unit, wherein said plurality of intake rollers operatively attached to said utility belt drive;

a shredding blade attached to said housing unit, wherein said plurality of intake rollers and said shredding blade defining a paper shredder;

a receiving bucket attached to said housing unit;

a hydraulic press attached to said housing unit, said hydraulic press operatively attached to said electrical plug;

a compression piston attached to said hydraulic press, a portion of said compression piston is slidably insertable within a portion of said receiving bucket; and

a control panel attached to said housing unit, said control panel is operatively connected to said utility motor and to said hydraulic press.

2. The device of Claim 1 further comprising:

an electric motor attached to said housing unit, said electric motor operatively attached to said control panel and operatively attached to said electrical plug;

a first pulley attached to said electric motor;

a second pulley attached to said center shaft of said barrel; and

a flexible band operatively attached to said first pulley and to said second pulley.

3. The device of Claim 1 further comprising a first handle attached to said first door.

4. The device of Claim 1 further comprising a second handle attached to said second door.

5. The device of Claim 1 further comprising a first hinge attached to said housing unit and attached to said first door.

6. The device of Claim 5 further comprising a second hinge attached to said housing unit and attached to said first door.

7. The device of Claim 1 further comprising a third hinge attached to said housing unit and attached to said second door.

8. The device of Claim 7 further comprising a fourth hinge attached to said housing unit and attached to said second door.

9. The device of Claim 1 wherein said control panel having a first button operatively attached to said utility motor.

10. The device of Claim 1 wherein said control panel having a second button operatively attached to said hydraulic press.

5 11. The device of Claim 2 wherein said control panel having a third button operatively attached to said electric motor.

12. A recycling device consisting essentially of:

a housing unit having an interior chamber, a first collar defining a top orifice in said housing unit and a second collar defining a side orifice in said housing unit, wherein said top and side orifices are capable of allowing access into the interior chamber of said housing unit;

10 a first door pivotally attached to said housing unit, said first door capable of covering a portion of the top orifice of said housing unit;

a second door pivotally attached to said housing unit, said second door capable of covering a portion of the side orifice of said housing unit;

15 an elongated barrel having a central axis, said barrel rotatably attached to said housing unit, said barrel disposed within the interior chamber of said housing unit, said barrel comprising:

an exterior casing;

a distal wall attached to said exterior casing;

a proximate wall attached to said exterior casing;

20 a center shaft attached to said distal wall and attached to said proximate wall, said center shaft disposed substantially along the central axis of said barrel, wherein said center shaft pivotally attached to said housing unit;

a first partition wall attached to said exterior casing of said barrel, wherein said barrel having a first receiving bin defined by said distal wall, said first partition wall, and said exterior casing; and

25 a second partition wall attached to said exterior casing of said barrel, wherein said barrel having a second receiving bin defined by said first partition wall, said second partition wall and said exterior casing, wherein said barrel having a third receiving bin defined by said second partition wall, said proximate wall, and said exterior casing;

30 an electrical plug attached to said housing unit;

a utility motor attached to said housing unit, said utility motor operatively attached to said electrical plug;

a utility belt drive operatively attached to said utility motor;

a rolling pin pivotally attached to said housing unit, said rolling pin operatively attached to said utility belt drive;

a conveyor belt operatively attached to said rolling pin;

a plurality of intake rollers pivotally attached to said housing unit, wherein said plurality of intake rollers operatively attached to said utility belt drive;

a shredding blade attached to said housing unit, wherein said plurality of intake rollers and said shredding blade defining a paper shredder;

a receiving bucket attached to said housing unit;

a hydraulic press attached to said housing unit, said hydraulic press operatively attached to said electrical plug;

a compression piston attached to said hydraulic press, a portion of said compression piston is slidably insertable within a portion of said receiving bucket;

an electric motor attached to said housing unit, said electric motor operatively attached to said electrical plug;

a control panel attached to said housing unit, said control panel is operatively connected to said utility motor, to said hydraulic press and to said electric motor, wherein said control panel having

a first button operatively attached to said utility motor;

a second button operatively attached to said hydraulic press; and

a third button operatively attached to said electric motor;

a first pulley attached to said electric motor;

a second pulley attached to said center shaft of said barrel;

a flexible band operatively attached to said first pulley and to said second pulley;

a first handle attached to said first door;

a second handle attached to said second door;

a first hinge attached to said housing unit and attached to said first door;

a second hinge attached to said housing unit and attached to said first door;

a third hinge attached to said housing unit and attached to said second door; and

a fourth hinge attached to said housing unit and attached to said second door.

13. A method of using a recycling device, the method comprising the steps of:

obtaining the device comprising:

5 a housing unit having an interior chamber, a first collar defining a top orifice in the housing unit and a second collar defining a side orifice in the housing unit, wherein the top and side orifices are capable of allowing access into the interior chamber of the housing unit;

a first door pivotally attached to the housing unit, the first door capable of covering a portion of the top orifice of the housing unit;

10 a second door pivotally attached to the housing unit, the second door capable of covering a portion of the side orifice of the housing unit;

an elongated barrel having a central axis, the barrel rotatably attached to the housing unit, the barrel disposed within the interior chamber of the housing unit, the barrel comprising:

an exterior casing;

15 a distal wall attached to the exterior casing;

a proximate wall attached to the exterior casing;

a center shaft attached to the distal wall and attached to the proximate wall, the center shaft disposed substantially along the central axis of the barrel, wherein the center shaft pivotally attached to the housing unit;

20 a first partition wall attached to the exterior casing of the barrel, wherein the barrel having a first receiving bin defined by the distal wall, the first partition wall, and the exterior casing; and

a second partition wall attached to the exterior casing of the barrel, wherein the barrel having a second receiving bin defined by the first partition wall, the second partition wall and the exterior casing, wherein the barrel having a third receiving bin defined by the second partition wall, the proximate wall, and the exterior casing;

25 an electrical plug attached to the housing unit;

30 a utility motor attached to the housing unit, the utility motor operatively attached to the electrical plug;

a utility belt drive operatively attached to the utility motor;

a rolling pin pivotally attached to the housing unit, the rolling pin operatively attached to the utility belt drive;

5 a conveyor belt operatively attached to the rolling pin;

a plurality of intake rollers pivotally attached to the housing unit, wherein the plurality of intake rollers operatively attached to the utility belt drive;

a shredding blade attached to the housing unit, wherein the plurality of intake rollers and the shredding blade defining a paper shredder;

10 a receiving bucket attached to the housing unit;

a hydraulic press attached to the housing unit, the hydraulic press operatively attached to the electrical plug;

a compression piston attached to the hydraulic press, a portion of the compression piston is slidably insertable within a portion of the receiving bucket;

15 an electric motor attached to the housing unit, the electric motor operatively attached to the electrical plug;

a control panel attached to the housing unit, the control panel is operatively connected to the utility motor, to the hydraulic press and to the electric motor, wherein the control panel having:

20 a first button operatively attached to the utility motor;

a second button operatively attached to the hydraulic press; and

a third button operatively attached to the electric motor;

a first pulley attached to the electric motor;

a second pulley attached to the center shaft of the barrel;

25 a flexible band operatively attached to the first pulley and to the second pulley;

a first handle attached to the first door;

a second handle attached to the second door;

a first hinge attached to the housing unit and attached to the first door;

a second hinge attached to the housing unit and attached to the first door;

30 a third hinge attached to the housing unit and attached to the second door; and

a fourth hinge attached to the housing unit and attached to the second door; and
plugging the electrical plug into an electrical power socket.

14. The method of Claim 13 further comprising the steps of:

grabbing hold of the first handle attached to the first door;

5 opening pivotally the first door while grabbing hold of the first handle;

placing a bunch of paper into the first receiving bin of the barrel when the first door is opened;

closing pivotally the first door;

pressing on the third button of the control panel to activate the electric motor to operatively

dump the bunch of paper in the first receiving bin onto the plurality of intake rollers of the paper

10 shredder;

depressing on the first button of the control panel to activate the utility motor to operatively drive

the plurality of intake rollers to force the bunch of paper into the shredding blade so that the

bunch of paper is transformed in to shredded paper dropped onto the conveyor belt and to

operatively drive the conveyor belt to move the shredded paper into the receiving bucket;

15 pushing on the second button of the control panel to activate the hydraulic press to

compress the shredded paper into a compressed paper packet by operatively enabling the

compression piston to be slidably inserted within the receiving bucket;

gripping onto the second handle attached to the second door;

slinging open the second door while gripping onto the second handle;

20 reaching into the receiving bucket; and

removing the compressed paper packet from the receiving bucket.

15. The method of Claim 14 further comprising the steps of:

putting the compressed paper packet in a bag; and

affixing a bar code label onto the bag, wherein the bar code label capable of indicating a material

25 content contained within the bag and indicating a customer identification.

16. The method of Claim 13 further comprising the steps of:

grasping onto the first handle of the first door;

pivoting open the first door while grasping onto the door;

pouring a group of glass bottles into the second receiving bin of the barrel while the first door is

30 pivoted open;

activating the electric motor to rotate the barrel so that the group of glass bottles fall from the second receiving bin onto the conveyor belt;

enabling the utility motor to transport the group of glass bottles from the conveyor belt to the receiving bucket;

5 powering up the hydraulic press to compress the group of glass bottles into a group of glass shards by using the second button of the control panel;

holding onto the second handle of the second door; and

rotating open the second door while holding onto the second handle of the second door.

17. The method of Claim 16 further comprising the steps:

10 collecting the group of glass shards into a cardboard box; and

adhering a label onto the box, wherein the label indicating the group of glass shards in the cardboard box and indicating the a user identification.

18. The method of Claim 13 further comprising the steps of:

catching hold of the first handle of the first door;

15 swinging open the first door while catching hold of the first door;

pouring a plurality of plastic items into the third receiving bin of the barrel;

energizing the electric motor to rotate the barrel so that the plurality of plastic items drop from the third receiving bin onto the conveyor belt by using the third button on the control panel;

empowering the utility motor to make the conveyor belt transport the plurality of plastic items from the conveyor belt into the receiving bucket by using the first button on the control panel; and

allowing the hydraulic press to compress the plurality of plastic items in the receiving bucket into a compressed plastic mass.

19. The method of Claim 18 further comprising the steps of:

25 snatching hold the second handle of the second door with a hand;

swinging open the second door while snatching hold of the second handle;

getting the compressed plastic mass out of the receiving bucket;

inserting the compressed plastic mass into a sack; and

glueing a sticker onto the sack, wherein the sticker is capable of identifying the compressed plastic mass in the sack, and in identifying an address.

20. The method of Claim 13 further comprising the steps of:

grabbing hold of the first handle attached to the first door;

opening pivotally the first door while grabbing hold of the first handle;

placing a bunch of paper into the first receiving bin of the barrel when the first door is opened;

5 closing pivotally the first door;

pressing on the third button of the control panel to activate the electric motor to operatively

dump the bunch of paper in the first receiving bin onto the plurality of intake rollers of the paper shredder;

10 depressing on the first button of the control panel to activate the utility motor to operatively drive the plurality of intake rollers to force the bunch of paper into the shredding blade so that the

bunch of paper is transformed in to shredded paper dropped onto the conveyor belt and to

operatively drive the conveyor belt to move the shredded paper into the receiving bucket;

pushing on the second button of the control panel to activate the hydraulic press to

15 compress the shredded paper into a compressed paper packet by operatively enabling the compression piston to be slidably inserted within the receiving bucket;

gripping onto the second handle attached to the second door;

slinging open the second door while gripping onto the second handle;

reaching into the receiving bucket;

removing the compressed paper packet from the receiving bucket;

20 putting the compressed paper packet in a bag;

affixing a bar code label onto the bag, wherein the bar code label capable of indicating a material content contained within the bag and indicating a customer identification;

grasping onto the first handle of the first door;

pivoting open the first door while grasping onto the door;

25 pouring a group of glass bottles into the second receiving bin of the barrel while the first door is pivoted open;

activating the electric motor to rotate the barrel so that the group of glass bottles fall from the second receiving bin onto the conveyor belt;

30 enabling the utility motor to transport the group of glass bottles from the conveyor belt to the receiving bucket;

powering up the hydraulic press to compress the group of glass bottles into a group of glass shards by using the second button of the control panel;

holding onto the second handle of the second door;

rotating open the second door while holding onto the second handle of the second door;

5 collecting the group of glass shards into a cardboard box;

adhering a label onto the box, wherein the label indicating the group of glass shards in the cardboard box and indicating the a user identification;

catching hold of the first handle of the first door;

swinging open the first door while catching hold of the first door;

10 pouring a plurality of plastic items into the third receiving bin of the barrel;

energizing the electric motor to rotate the barrel so that the plurality of plastic items drop from the third receiving bin onto the conveyor belt by using the third button on the control panel;

empowering the utility motor to make the conveyor belt transport the plurality of plastic items from the conveyor belt into the receiving bucket by using the first button on the control panel;

15 allowing the hydraulic press to compress the plurality of plastic items in the receiving bucket into a compressed plastic mass;

snatching hold the second handle of the second door with a hand;

swinging open the second door while snatching hold of the second handle;

getting the compressed plastic mass out of the receiving bucket;

20 inserting the compressed plastic mass into a sack; and

glueing a sticker onto the sack, wherein the sticker is capable of identifying the compressed plastic mass in the sack, and in identifying an address.